

WHAT IS CLAIMED IS:

1. A friction clutch for vehicles, comprising a driving member (10) and a driven member (22) coaxial to the driving member, with a pack of clutch plates between them which are alternatively connected to the driving member and to the driven member, a pressure member (38) engaged by elastic means (44) to push the clutch plates against a ledge (10b) of the driven member, a floating member (20) that is axially translatable between the driven member (10) and the pressure member (38), and driving means (22, 24, 26) on said driving member and floating member which are in mutual, rotary and shifting engagement to axially push the floating member (20) against the pressure member in contrast to said elastic means, characterized in that said driving means comprise rollers (22) each pivotally supported by one of said driving member (10) and floating member (20) about a substantially radial axis to engage respective inclines (26s) that are frontally made on the other one of said driving member and floating member.
2. The friction clutch of claim 1, characterized in that said rollers (22) are pivotally supported on said driving member.
3. The friction clutch of claim 1 or 2, characterized in that each roller has a substantially spherical, middle portion (22a) and two opposite, diametrical ends.
4. The friction clutch of claim 3, characterized in that said substantially spherical, middle portion (22a) is diametrically supported on a pin (22b) and said opposite, diametrical ends are the ends of the pin.
5. The friction clutch of anyone of claims 2 to 4, characterized in that said rollers (22) are arranged in respective, equally spaced slots (24) made on the driving member and said opposite, diametrical ends are engaged in holes (24a, 24b) made on the side walls of the slot.
6. The friction clutch of anyone of claims 2-5, characterized in that said inclines (26s) are made on a plate member (26) that is made of a wearproof material and is frontally laid on the floating member (20).

7. The friction clutch of anyone of claims 1 to 6, where that said pressure member consists of a cap (38) having an annular surface adapted to engage said clutch plates, characterized in that said elastic means consist of a spider spring (44) having a smaller base that is axially retained by retaining means (40) and a larger
5 base that is elastically abutted against a circumferential abutment (38b) of the cup (38) on the opposite side of the annular surface.